OPERATING INSTRUCTIONS

Automatic coffee machine
KV 8090

SEVERIN
TASTEFUL TECHNOLOGY

Seve-33050 - 18/03/2017

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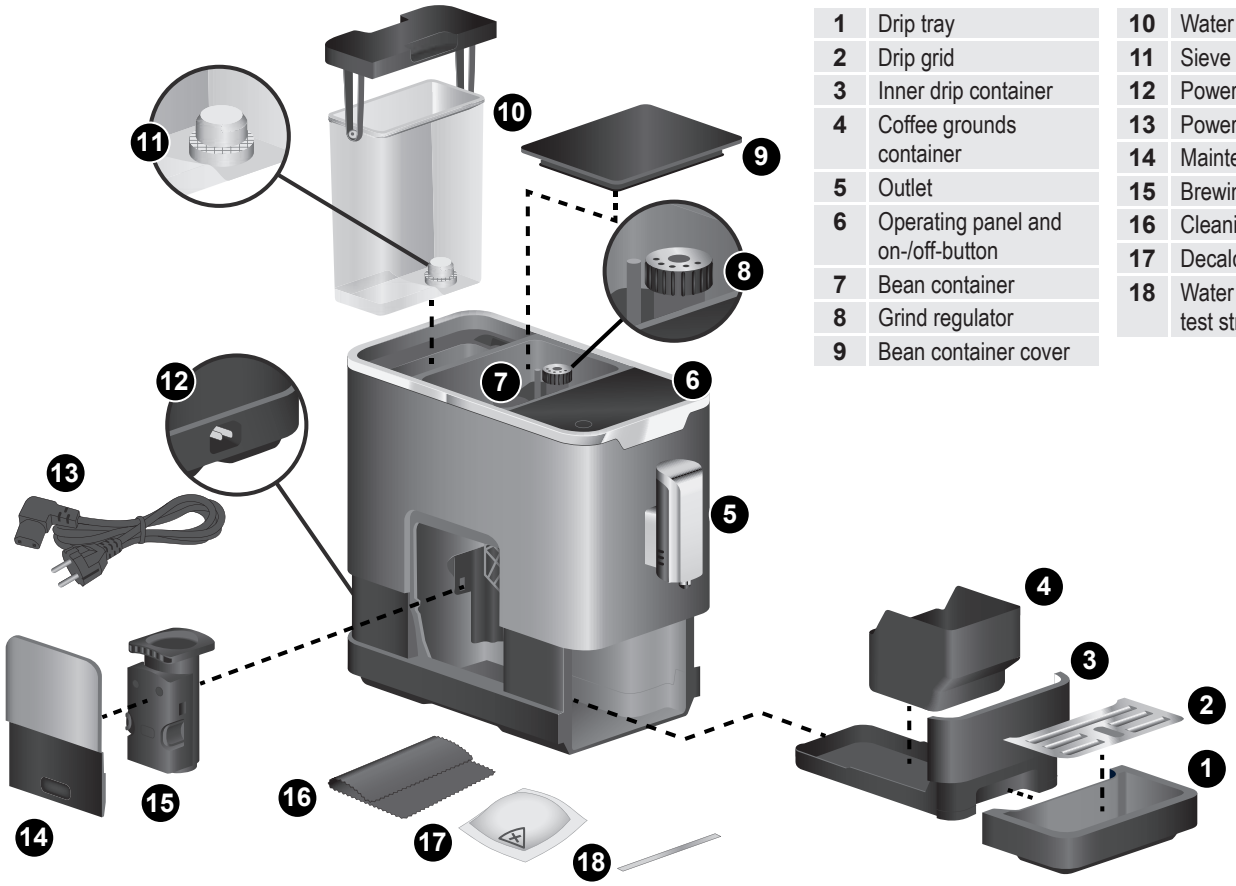
1 Overview and scope of delivery



1	Drip tray
2	Drip grid
3	Inner drip container
4	Coffee grounds container
5	Outlet
6	Operating panel and on-/off-button
7	Bean container
8	Grind regulator
9	Bean container cover

10	Water tank
11	Sieve attachment
12	Power cord connection
13	Power cord
14	Maintenance lid
15	Brewing unit
16	Cleaning cloth
17	Decalcifier
18	Water hardness test strips

Fig. 1: Parts of the appliance

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Dear Customers,

We hope you will enjoy your high-quality SEVERIN product and thank you for placing your trust in us.

The SEVERIN brand has stood for durability, German quality and development power for more than 120 years. Each appliance is manufactured and tested with care.

With the proverbial thoroughness, precision and honesty of the Sauerland, this family-owned company in Sundern has been winning over customers around the world since its establishment in 1892.

In the eight product groups coffee, breakfast, kitchen, grilling, household, floor care, personal care, and cooling & freezing, SEVERIN offers a complete range with more than 250 products. The right product for every occasion!

Get to know the wide range of SEVERIN products; visit us at **www.severin.de** or **www.severin.com**.

Your SEVERIN team

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2 For Your Safety

Follow the operating instructions

Read the operating instructions completely before using the appliance. Keep the instructions in a safe place for future reference. If you give the appliance to somebody else, also give them the operating instructions.

Non-observance of these instructions can cause severe injuries and damage to the appliance.

Important notes for your safety are highlighted in the operating instructions as shown below. Be sure to follow these instructions to prevent accidents and damage to the appliance:

WARNING!
Indicates notes that must be adhered to in order to prevent the risk of injury or fatal injury.

CAUTION!
Indicates notes that must be adhered to in order to prevent the risk of material damage.

TIP
Emphasises tips and other useful information.

Hazards for certain persons

Particular groups of people are at an increased risk:

- Children must not be permitted to operate the appliance. The appliance and its power cord must be kept well away from children.
- Children must not play with the appliance.
- Keep children away from the packaging material. It presents a suffocation risk.
- The appliance may be used by persons with reduced physical, sensory or mental capacities or a lack of experience and/or knowledge if they are supervised or have been instructed about the safe use of the appliance and have understood the resulting risks.

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Correct use

This appliance is designed solely for the preparation of espresso/coffee beverages from roasted, unground coffee beans and for pouring hot water. Any other use is deemed improper use and can cause personal injuries and damage to the appliance.

The appliance is designed for household use or use in a similar environment, e.g.

- in kitchens for employees in stores, offices and other commercial areas;
- on agricultural estates;
- by customers in hotels, motels and other residential facilities;
- in bed-and-breakfast facilities.

It is not suitable for commercial use, e.g. in the catering industry.

The appliance is not designed to be operated with a timer or separate remote control system.

Any misuse can cause severe personal injury.

Power

Since the appliance is operated with electrical current, there is a risk of receiving an electric shock. Be sure to follow the precautions mentioned below::

- Only connect the appliance to a properly installed shockproof socket (minimum 10 A fuse). Do not use any extension cords or multi-outlet sockets.
- Only operate the appliance if the voltage specified on the rating plate matches the voltage of your socket.
- Make sure that the power cord is not kinked or pinched and that the power cord and the appliance do not come in contact with heat sources (e.g. hot plates, gas flames).
- Do not pull the power cord over sharp edges.
- When you pull the power plug out of the socket, always pull directly on the plug. Never carry the appliance by the power cord.
- Never immerse the appliance in water or other fluids, do not clean it under running water, and do not place it in the dishwasher.
- Never touch the power plug with wet hands.
- Never operate the appliance outdoors.

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- Even when the appliance is switched off, the inside of the appliance is live as long as the power plug is plugged into the socket.
- Unplug the power plug before removing or inserting the water tank.
- Always unplug the appliance from the socket after use.
- If a dangerous situation or defect occurs, unplug the appliance from the socket immediately. For this reason, make sure that the socket, to which the appliance is connected, is easily accessible at all times.
- Unplug the power plug from the socket before you clean or carry out maintenance work on the appliance, or during assembly or disassembly.
- Never remove screws from the appliance to open it and never carry out any technical modifications.
- The appliance is only disconnected from the mains if the power plug is unplugged.

Risk of scalding

The appliance heats up water. This poses a risk of scalding.

- Do not place parts of the body under the outlet while the appliance is in operation.
- A soiled outlet can cause hot liquid or steam to spray out. Make sure that the outlet is clean.
- Never open the maintenance lid during operation.
- Be careful when emptying the drip tray since the water contained therein may be hot.
- Only operate the appliance when the drip tray and the inner drip container are correctly inserted.
- Do not remove the brewing unit during or shortly after the preparation of a beverage.
- In case of empty water tank during the preparation of a beverage the item continues the brewing process automatically after filling the water tank.

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Poor hygiene

Bacteria can form in the appliance due to poor hygiene:

- Empty and clean the drip tray, the inner drip container and the coffee grounds container daily.
- Clean the item in regular intervals (see “Cleaning the appliance” on page 13).
- Empty the complete appliance if you are not going to use it for a longer period of time.
- Change the water daily to prevent germ contamination.

The use of improper cleaning agents harbours health risks:

- Only use the cleaning agents and utensils described in these operating instructions to clean the appliance.

Risks for the appliance

Damage can be caused by handling the appliance incorrectly.

- Place the appliance on a dry, level, non-slip, heat-resistant surface which will not react with the rubber feet.
- Never set up the appliance on a hot surface or near strong sources of heat.
- Do not allow the power cord to dangle. This poses a risk of tripping.
- Only fill the water tank with cold, fresh tap water. Warm/hot tap water or other liquids can damage the appliance.
- Do not use caramelised or sugar-coated coffee beans.
- Do not use raw coffee (green, unroasted coffee beans) or mixtures containing raw coffee. They can cause damage to the appliance.
- Do not fill the coffee bean container with ground coffee.
- Before you store the appliance, unplug the power plug and let the appliance cool off completely.
- Use only original parts.

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In case of a defective appliance

A defective appliance can cause material damage and injuries:

- Always check the appliance for damage before use. In the event that you detect damage due to transport, immediately contact the dealer where you have purchased the appliance.
- Never operate a defective appliance. Never operate an appliance that has fallen down.
- If the appliance's power cord is damaged, it must be replaced with an original spare part by the manufacturer or their customer service department or a similarly qualified person to prevent hazards.
- The appliance does not contain any parts that you can repair yourself. Repair work must only be carried out through SEVERIN customer service department (see "Customer service" on page 20).

3 Setting up the appliance

1. Remove all protective films and other packaging material from the appliance.
2. Set up the appliance in a place that fulfils the following conditions:
   - Near a shockproof socket (fuse at least 10 A)
   - Horizontal and free from vibration/shocks
   - Heat-resistant and insensitive to rubber coating
   - Away from heated or flammable surfaces and objects (> 1 m)
   - Away from walls (> 15 cm)

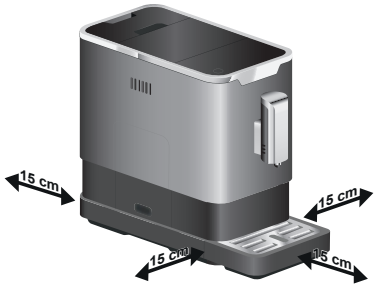

Fig. 2: Clearance around the appliance

3. Attach the drip tray with inserted drip grid to front of the appliance.

TIP:
The drip tray is held in place by magnets.

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4 Preparing the appliance

1. Remove the water tank.

> **CAUTION!**
> To avoid damaging the appliance only fill the water tank with cold tap water.

> *TIP*
> A water filter improves the water quality of the water used by removing suspended solids and scale from the water. SEVERIN recommends the use of a water filter for high water quality starting with 12 °dH, ▶ “Inserting the water filter (optional)” on page 10.

2. Please fill water container to MAX mark.
3. Re-insert the water tank.
4. Remove the bean container lid.

> **CAUTION!**
> Do not use unroasted, caramelised or sugar-coated coffee beans.

5. Fill the coffee beans into the bean container.
6. Re-insert the bean container lid.
7. Connect power cord to power supply.
8. Plug the power plug into the socket.
9. Place a cup under the outlet. Depending on size of cup, you can remove or slightly shift the drip tray. You can also adjust the height of the outlet by manually pushing it up or down.

Fig. 3: Using different types of cups

10. To switch the appliance on, press the on/off button ⏻.
11. Wait until the LEDs stop flashing.

> *TIP*
> Before first use and after every emptying of the appliance the system has to be rinsed with water in two steps. Otherwise the appliance will not work correctly.

12. Rinse the system by pressing the button 💧 until water flows from the outlet.
13. Rinse the outlet, ▶ “Cleaning the outlet” on page 14.

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Inserting the water filter (optional)

1. Remove the water tank.
2. Remove the sieve attachment in the water tank and keep it for future reference.

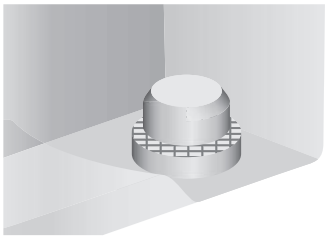

Fig. 4: Sieve attachment in water tank

3. Flush the water filter completely and with the opening upwards in a separate vessel until no more air bubbles appear.
4. Place the water filter firmly on the valve of the water tank.
5. Please fill water container to MAX mark.
6. Re-insert the water tank.
7. Draw hot water, ▶ “Drawing hot water” on page 11. You can cancel the process as soon as hot water flows from the outlet.

TIP
If the water filter floates in the water tank, it is not flushed correctly. Carry out 3. a second time.

8.

5 Preparing beverages

WARNING!
Risk of scalding!
– Do not place any part of the body under the outlet while the appliance is in operation.

5.1 Operation

Symbol	Bedeutung
	On-/Off-Button (▶ “Preparing the appliance“ on page 9)
	Drawing hot water (▶ “Drawing hot water“ on page 11)
	Drawing Espresso (▶ “Preparing coffee/espresso“ on page 11)
	Drawing Coffee (▶ “Preparing coffee/espresso“ on page 11)
	LED flashes: Water tank not correctly inserted / only small amount of water in water tank (▶ “Preparing the appliance“ on page 9)
	LED flashes: Only small amount of beans in bean container (▶ “Preparing the appliance“ on page 9) or coffee chute is soiled (▶ “Cleaning the coffee chute“ on page 15)
	LED is lit: Coffee grounds container is full (▶ “Cleaning the appliance“ on page 13) LED flashes: Coffee grounds container has not been properly inserted (▶ “Cleaning the appliance“ on page 13)

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⚠	LED ist lit: Brewing unit has not been properly inserted (▶ “Cleaning the appliance“ on page 13) Led flashes: Maintenance lid has not been properly attached (▶ “Cleaning the appliance“ on page 13)
	LED is lit: Appliance must be descaled (▶ “Descaling the appliance“ on page 15) LED flashes: Descaling in process
	LED is lit: Appliance is emptied and then switches off (▶ “Emptying the appliance“ on page 18)

5.2 Preparing coffee/espresso

1. Press one of the two LED buttons for espresso ( ) or coffee ( ).
   ➲ The appliance prepares the coffee/espresso.
2. Wait until the appliance has finished the preparation of the coffee/ espresso.

TIP
If you would like to change the amount of coffee, keep one of the two buttons (or) pressed during the beverage preparation until the appliance finishes dispensing the desired amount of coffee (max. 250 ml). The amount of coffee dispensed is saved by the appliance. Next time you press button or , the appliance will dispense the amount of coffee saved.

5.3 Drawing hot water

1. Press button .
   ➲ The appliance dispenses hot water from the outlet.
2. Wait until the appliance is finished dispensing hot water.

TIP
If you would like to change the water quantity, keep button pressed during the beverage preparation until the appliance finishes dispensing the desired amount of water (max. 250 ml). The amount of water dispensed is saved by the appliance. Next time you press button , the appliance will dispense the amount of water saved.

5.4 Adjusting the grind

CAUTION!
Adjust the grind only while the appliance is grinding the coffee beans; otherwise the grinder may be damaged.

TIP
A fine grind is recommended for a light roast and a coarse grind for a dark roast. The roast is normally printed on the coffee packaging.

1. Place a cup under the outlet.
2. Open the bean container lid.

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3. Prepare a coffee/espresso,
   ▶ “Preparing coffee/espresso” on page 11.
4. Wait until the appliance grinds the beans.
5. Set the regulator for the grind to the desired value. Turning the wheel counter-clockwise in “-” direction grinds the coffee finer, clockwise in “+” direction coarser.

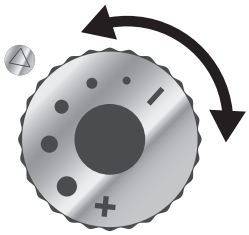

Fig. 5: Adjusting the grind

6. Attach the cover of the bean container again.

5.5 Changing the mode

The appliance has 3 modes:

- ECO mode
- Speed mode
- Standard mode

Coffee preparation in speed mode is faster, whereas ECO mode aims to enhance energy efficiency. The following table compares the functions of the modes:

Function	ECO	Speed	Standard
Light	×	✓	✓
Pre-brewing	✓	×	✓
Fill level storage	✓	✓	✓
Automatic off after	10 minutes	30 minutes	20 minutes

To change mode, proceed as follows:

1. With the appliance switched on, press on/off button ⏻ for approx. 5 seconds.
   ➲ The appliance beeps 2 times. The on/off button ⏻ as well as 2 LEDs are flashing. The third continuously lit LED shows the active mode:
   - : ECO mode
   - : Speed mode
   - : Standard mode
2. Press one of the 3 LED buttons to change the mode.

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6 Cleaning the appliance

WARNING!
Risk of scalding!
– Before cleaning: Switch off the appliance, unplug the power plug from the socket and allow the appliance and its components to completely cool down (at least 30 minutes).

WARNING!
Risk of injury and damage to the appliance!
– Never immerse the appliance in water!

WARNING!
Health risks by use of incorrect cleaning agents!
– Only use food-safe cleaning agents to clean the parts that come in contact with water and coffee.

CAUTION!
Do not use abrasive or aggressive cleaning agents or utensils that could scratch the surfaces. Except for the drip grid, do not clean any appliance parts in the dish washer.

6.1 Daily cleaning

1. Make sure that the appliance is switched off, has cooled down and the power plug is unplugged.
2. Remove water tank from the appliance.
3. Empty the water tank.
4. Rinse out the water tank with clear water.
5. Remove the drip tray.
6. Remove the drip grid from drip tray.
7. Clean the drip grid with clear water or in dish washer.
8. Empty the drip tray and rinse it with clear water.
9. Pull out the inner drip container with the coffee grounds container.

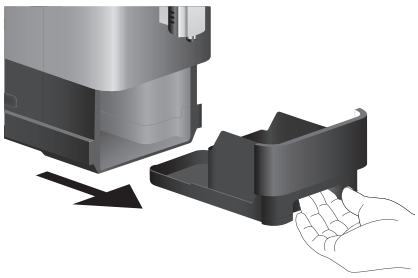

Fig. 6: Removing drip container and coffee grounds container.

10. Empty the coffee grounds container.
11. Rinse out the coffee grounds container with clear water.
12. Remove the maintenance lid.

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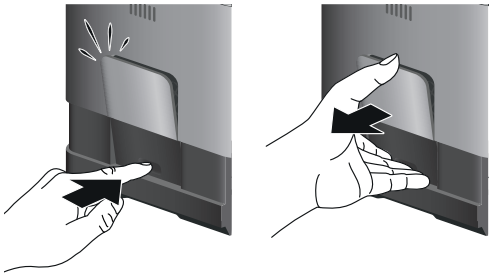

Fig. 7: Opening maintenance lid

13. Push the release buttons of the brewing unit together and pull out brewing unit.

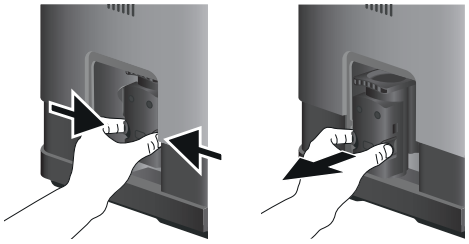

Fig. 8: Removing brewing unit

14. Rinse the brewing unit with clear water.
15. Let all components dry.
16. Wipe out the interior behind the maintenance lid with a damp cloth.
17. Re-insert the brewing unit.
18. Attach maintenance lid again.
19. Re-insert coffee grounds container in inner drip container.
20. Push inner drip container back into appliance.
21. Insert the drip grid into the drip tray.
22. Attach drip tray again.
23. Re-insert the water tank.

6.2 Cleaning the outlet

The appliance features a cleaning function that rinses the outlet. You should perform cleaning in daily intervals.

Requirement: The power plug is plugged into the socket and there is sufficient water in water tank.

1. Switch the appliance on.
2. Place a cup under the outlet.
3. Simultaneously press the on/off button ⏻ and button .
   ➲ The LEDs , and go out. Some water flows from the outlet. After this, the appliance is ready for operation again.
4. Pour the water from the cup down the drain.

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6.3 Cleaning the coffee chute

After prolonged use, coffee powder can accumulate on the inside of the coffee chute. This prevents the coffee powder from properly reaching the brewing unit For this reason, clean the coffee chute in regular intervals.

1. Make sure that the appliance is switched off, has cooled down and the power plug is unplugged.
2. Take off the maintenance lid and remove the brewing unit, ▶ “Daily cleaning” on page 13, step 10–12.
3. Clean the coffee chute with a cotton swab.

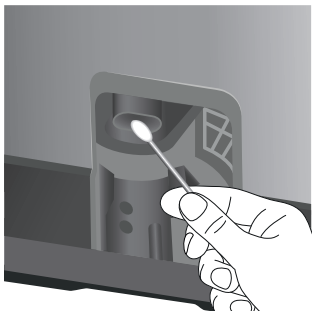

Fig. 9: Cleaning the coffee chute

4. Re-insert the brewing unit.
5. Attach maintenance lid again.

6.4 Descaling the appliance

Over time, scale can accumulate inside the appliance. This impairs the function of the appliance. Consequently, the coffee may be cold or stale. Severe scale deposits may damage the appliance. The appliance must be descaled when the LED is lit. Even if the LED is not lit, the appliance should be descaled once per month.

1. Make sure that the appliance is switched off and the power plug is unplugged.
2. Remove the water tank. If a water filter is used, it must be removed for the duration of the descaling process.
3. Please fill water container to MAX mark.
4. Add a tablet of the decalcifier provided to the water tank.

> *TIP*
> If you do not use the decalcifier provided, observe the dosing instructions on the packaging.

5. Plug the mains plug into the outlet.
6. Place a sufficiently large container (> 1 l) under the outlet.
7. To switch the appliance on, press the on/off button .
8. Press the on/off button and button for 5 seconds.
   ➲ The appliance makes a beep sound. The LED and button are flashing.

> *TIP*
> If descaling has been activated accidentally, you can stop at any time by pressing the on/off button .

9. To start descaling, press button .
   ➲ The LED flashes. Descaling begins.

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10. Wait until LED flashes and button as well as the LED are lit.
11. Empty the container under the outlet.
12. Place container under the outlet again.
13. Remove the water tank, rinse and refill to MAX mark with cold tap water.
14. Re-insert the water tank.
    ➲ The LED stops flashing. The appliance completes descaling and then automatically switches off.
15. Empty the container under the outlet.

6.5 Cleaning the surface

Clean the surface of the appliance with the provided cloth or another soft, lint-free cloth.

7 Troubleshooting

7.1 Remedying problems yourself

WARNING!
Risk of injury! The appliance does not contain any parts that you can repair yourself.
– Never attempt to operate a defective appliance.
– Never attempt to repair the appliance by yourself. If your appliance is defective, contact our customer service department (see “Customer service” on page 20).

Before contacting our customer service, check with the aid of the following table whether you can remedy the problem by yourself.

Problem	Cause	Remedy
LED flashes	Water tank not inserted.	Insert water tank properly, ▶ “Preparing the appliance” on page 9.
	Only small amount of water in water tank.	Add water to the water tank, ▶ “Preparing the appliance” on page 9.
LED flashes.	Only small amount of beans in bean container.	Add coffee beans to bean container, ▶ “Preparing the appliance” on page 9.
	Coffee chute is soiled.	Clean the coffee chute, ▶ “Cleaning the coffee chute” on page 15.

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Problem	Cause	Remedy
LED is lit.	The coffee grounds container is full.	Empty coffee grounds container, ▶ “Cleaning the appliance” from page 13.
LED flashes.	The coffee grounds container has not been properly inserted.	Insert coffee grounds container properly, ▶ “Cleaning the appliance” on page 13.
LED ⚠ is lit.	The brewing unit has not been properly inserted.	Insert brewing unit properly, ▶ “Cleaning the appliance” on page 13.
LED ⚠ flashes.	Maintenance lid has not been properly attached.	Attach maintenance lid properly, ▶ “Cleaning the appliance” on page 13.
Appliance can not be switched on.	The appliance is not connected to the power supply.	Connect power cord to power supply of appliance. Plug the power plug into a shockproof socket.

Problem	Cause	Remedy
The buttons respond delayed or not at all.	Appliance is disturbed by electromagnetic fields.	Switch the appliance off and disconnect the plug. Wait a few minutes. Plug power plug back into socket and switch appliance on again.
	Buttons are soiled.	Clean the surface of the appliance with the provided cloth or another soft, lint-free cloth.
	Buttons pressed too far up.	Use a pressure point slightly underneath the lighted symbols.
Coffee is too cold.	Scale accumulation in appliance.	Descale the appliance, ▶ “Descaling the appliance” on page 15.
Coffee does not flow from outlet.	Grind is set too high, clogging the brewing unit.	Set a coarser grind, ▶ “Adjusting the grind” on page 11.
	Prior to this, appliance was emptied or was not flushed before first use.	Draw hot water from outlet by using the function ▶ “Drawing hot water” on page 11.

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Problem	Cause	Remedy
The coffee has no Crema.	Coffee is not fresh.	Change the coffee or the type of coffee.
	Grind set incorrectly.	Adjust the grind to your type of coffee, ▶ “Adjusting the grind” on page 11.
The appliance takes a long time to heat up.	Scale accumulation.	Use self-cleaning to descale the appliance, ▶ “Descaling the appliance” on page 15.

TIP:

– If the problem can not be remedied with the aid of the table, contact our customer service department (see “Customer service” on page 20).

– If you need spare parts or accessories for your appliance, visit our on-line “Service/Spare parts shop” on our website **www.severin.de**.

7.2 Accessories and spare parts

Item number	Accessory/spare part
ZB 8697	Decalcifier
ZB 8695	Water filter
ZB 8688	SEVERIN coffee 500 g, specially for Severin automatic coffee machines

8 Storage and disposal

If you would like to store the appliance, return it for repairs or dispose of it, you first have to empty it.

8.1 Emptying the appliance

1. Press and hold the on/off button and button for 5 seconds.
   ➲ The LED flashes.
2. Remove the water tank.

TIP
To cancel the emptying process, press the on/off button

3. The LED is lit continuously. The appliance is emptied and then switches off.
4. Unplug the power plug from the socket.

TIP
Placing appliance back into operation after emptying:

– Fill the water tank.

– Place a cup under the outlet.

– Hold down button until water flows from the outlet.

8.2 Storing the appliance

1. Clean the appliance, ▶ “Cleaning the appliance” on page 13.
2. Empty the appliance, ▶ “Emptying the appliance” on page 18.
3. Store the appliance in a dry place.

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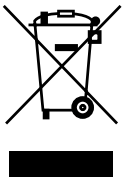
8.3 Disposing of the appliance



Appliances that are marked with this symbol must be disposed of separately from household waste. These appliances contain valuable raw materials that can be recycled. Proper disposal protects the environment and the health of your fellow men.

Your local authorities or dealer can provide information regarding proper disposal.

9 Warranty

The legal warranty rights with respect to the seller and any seller warranties are unaffected by the following warranty conditions.

In case of warranty claim, contact your dealer directly. In addition, SEVERIN grants a manufacturer's warranty of two years from the date of purchase. During this period, we will eliminate all defects caused by material or production faults that compromise the function. Other claims are excluded.

Excepted from the warranty are: Damage that is due to non-observance of the instruction manual, improper handling or normal wear; also easily-breakable parts such as glass, plastic or light bulbs. If the appliance is tampered with by persons not authorised by SEVERIN, this will render the warranty null and void.

If repair should be necessary, contact our customer service department per telephone or mail, see “Customer service” on page 20.

10 Technical data

Type of appliance	Automatic coffee machine KV 8090
Voltage	220–240 V~, 50/60 Hz
Output/power consumption	approx. 1350 W
Dimensions (W x H x D)	180 mm x 395 mm x 315 mm
Weight	approx. 7.64 kg
Drip container	300 ml
Water tank	1100 ml +/- 30 ml
Amount of coffee dispensed	25–250 ml
Amount of hot water dispensed	25–250 ml
Coffee grounds container	10 portions
Automatic power-off	after 10, 20 or 30 minutes
Identification	
	Do not dispose of as household waste!
CE	The appliance conforms with all EU directives that are binding for CE certification.

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Customer service

Germany

SEVERIN Service
Röhre 27
59846 Sundern
Tel.: +49 2933 982 460
Fax: +49 2933 982 480
service@severin.de

Model specifications are subject to change.
I/M-No.: 9349.0000

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